

CLAIMS

1. A method in a industrial safety system for controlling a process or equipment, which industrial safety system comprises components with safety devices, which control system enables signals to be generated as a result of an event or alarm, **characterized by**
- a) creating an automated link between the event or alarm and an action to be taken upon receipt of said event or alarm signal due to the event,
- b) generating a control signal to initiate the action.
2. A method according to claim 1, **characterized by**
- a) configuring a representation of a safety device,
- b) configuring a representation of said event or alarm.
3. A method according to any of claim 1 or 2, **characterized by**
- a) creating a schematic representation of the safety system comprising the components and the safety devices,
- b) creating a representation of each component.
4. A method according to any of claims 1-3, **characterized by** creating a representation of each safety device.
5. A method according to any of claims 1-4, **characterized by**
- a) creating a representation of each input,
- b) creating a representation of each output.
6. A method according to any of claims 1-5, **characterized by**
- a) creating a representation of each action,
- b) creating a representation of each event.
7. A method according to any of claims 1-6, **characterized by** configuring one or more links comprising a link between the event and the input, comprising a path between the input and the safety device, a path between the safety device and output, and a path between the output and the action.

8. A method according to any of claims 1-7, **characterized** by displaying the link by means of a representation in an HMI.
- 5 9. A method according to any of claims 1-8, **characterized** by displaying the link by means of a representation in a graphical user interface on a screen.
- 10 10. A method according to any of claims 1-9, **characterized** in that each path is represented by a table.
- 11 11. A method according to any of claims 1-10, **characterized** in that each table is displayed in a graphical user interface on a screen.
12. A method according to any of claims 1-11, **characterized** in that relations between the representations are displayed in the form of a matrix.
- 15 13. A computerised industrial system including means to perform a method in an industrial safety system for controlling a process or equipment, according to any of claims 1-12.
- 20 14. A computer program comprising programming instructions to control a computer or a computer process to make it perform a method in an industrial safety system for controlling a process or equipment, according to any of claims 1-12.
- 25 15. Use of a computer program according to claim 14 to control a computer or a computer process to make it perform a method in an industrial safety system for controlling a process or equipment, according to any of claims 1-12.
- 30 16. A computer program according to claim 14 recorded on one or several computer-readable media.
17. A graphical user interface for controlling a process or equipment in a industrial safety system, which industrial safety system comprises components with safety devices, that enables signals to be generated as a result of an event or alarm, **characterized by** comprising:
- 35 a) display means to display a representation of an item,

- b) display means to display relations between the items,
- c) input means to register said items and relations.

18. A graphical user interface according to claim 17, **characterized by comprising:**

- a) input means to register an alarm signal or an event,
- b) input means to register an input to a safety device

19. A graphical user interface according to any of claims 17-18, **characterized by comprising:**

- a) display means to register an input signal,
- b) display means to register an output signal.

20. A graphical user interface according to any of claims 17-19, **characterized by comprising input means to register a path.**

21. A graphical user interface according to any of claims 17-20, **characterized by comprising display means for creating a matrix.**

22. A system for controlling a process or equipment in a industrial safety system, which industrial safety system comprises components with inputs and safety devices enabling signals to be generated as a result of an event or alarm, **characterized by comprising components from any of the list of:** a computer such as a tablet personal computer PC, a computer program and a graphical user interface.

23. A system according to claim 22, **characterized by,** comprising a hand-held device displaying said graphical user interface, and input means to said hand-held device.

24. A computerised industrial system including means to perform a method in an industrial safety system for controlling a process or equipment, according to any of claims 1-12.

25. A database containing information to be used in a method in an industrial safety system for controlling a process or equipment, according to any of claims 1-12.
- 5 26. A website comprising client/server means to perform a method in an industrial safety system for controlling a process or equipment, according to any of claims 1-12.
- 10 27. A data communication signal for controlling at least one component in a an industrial facility for an industrial process, **characterized by** comprising safety information for controlling a process or equipment in a industrial safety system such as a signals generated as a result of an event or alarm.

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